

Name: _____

Period: _____ Table: _____



Due Date: _____

Your Element: _____

Element Project Specifications

You were given an element tab. That is your element.

Select two (2) Color Sheets for your element. Keep your sheet neat. **You will not be given more sheets.**

- Yellow - Non-metal
- Blue - Metal
- Green - Metalloid
- Lilac - Transition Metal

Part 1 - Wall Periodic Table - Color Sheet (#1) [5]

On Color Sheet #1 include the following information: (See sample to right)

- Atomic Number (Medium - Top)
- Atomic Symbol (Extra Large - Middle)
- Name (Small - Middle)
- Atomic Mass (Medium - Bottom)
- Your Name and period (Extra Small - Bottom right)



Sample Wall Sheet
Portrait Format

Wall Notes:

1. You may decorate your sheet with pictures or samples of your element.
2. Your sheet will be hung on the wall with other people's elements to create a periodic table.
3. The information on your sheet must be legible and be able to be read from a distance.
4. The sheet must be in "Portrait" format.

Part 2 - Element Report [25]

On Color Sheet #2, include the same information and lay-out as Color Sheet #1.

This will be the cover for your Element Report.

On separate sheets of paper include the following information within your report:

A - Basics [2]

- Element Name
- Element Symbol
- Atomic Number
- Atomic Mass

B - History [3]

- * Its founder with date and story (if available)
- * Where did the element's name come from?

C - Isotopes [3]

- * Define isotope
- * Identify at least 2 isotopes and state whether they are stable or radioactive.

D - Characteristics [4]

- * State at room temperature
- * Appearance (shiny, clear, etc.)
- * At least 4 Physical Properties ***with definitions***

ie: Heat of Fusion is the amount of energy required to change 1 mole of a substance from solid to liquid. Afflerbachium's Heat of Fusion is 123.45 kJ/mol.

E - Uses [3]

- * At least 3 uses in pure or compounded form

F - Symbols [4]

- Nuclide Symbol
- Lewis Dot Diagram
- Bohr Diagram
- Electron Configuration

G - References (MLA Format) [2]

Report Notes:

1. Neatness counts. [4]
2. Include the information requested in the order it is requested.
3. It is highly recommended that you type the report. Illegible writing will lose points.
4. Write in paragraphs and complete sentences in the sections noted by an asterisks (*).
5. Write in your own words. **DO NOT COPY TEXT DIRECTLY FROM YOUR SOURCES.** Copying will result in a **ZERO**.
6. You may cut and paste the "Symbols" into your report or you may draw them by hand.